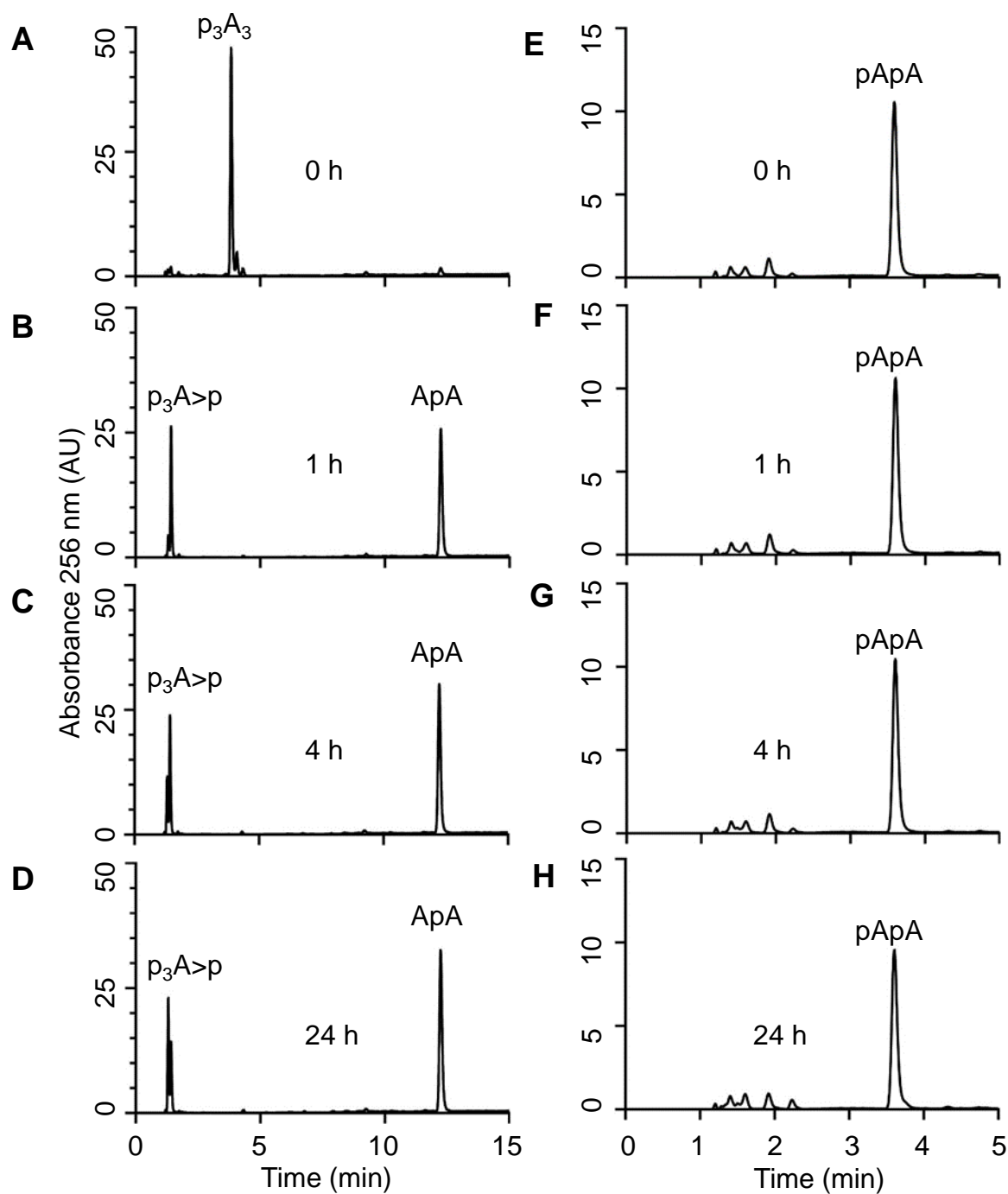


Substrate + MERS-NS4b



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Time (h)	p ₃ A ₃	ApA (cleavage product)	pApA
0	100	N/A	100
1	<1	100	>99
4	<1	>98	>99
24	<1	>98	>99

* ApA was formed upon p₃A₃ degradation by NS4b. Area under the peak at 10 min was used as reference (100 %) to compare its degradation with time.

Figure S2. MERS-NS4b degrades 2',5'-p₃A₃ but not 2',5' linked ApA or pApA. Substrate 2',5'-p₃A₃ (A) was degraded in the presence of NS4b into p₃A>p and ApA (B). Panels B, C, and D showed no appreciable decrease in amounts of ApA (area under the peak) after incubation for 1, 4 and 24 h, respectively. Panels E, F, G and H shows HPLC chromatograms of substrate pApA in the presence for NS4b at 0, 1, 4 and 24 h. (I) The table shows the amount of ApA or pApA degraded by NS4b as a function of time.